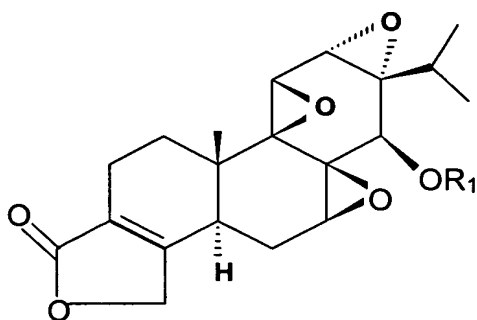
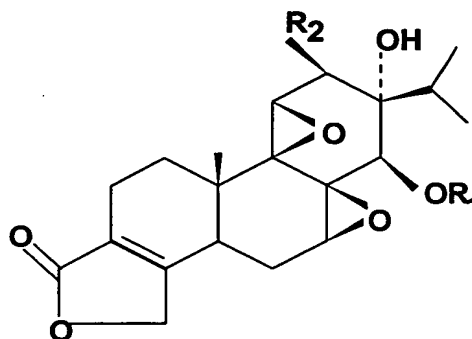


**Abstract**

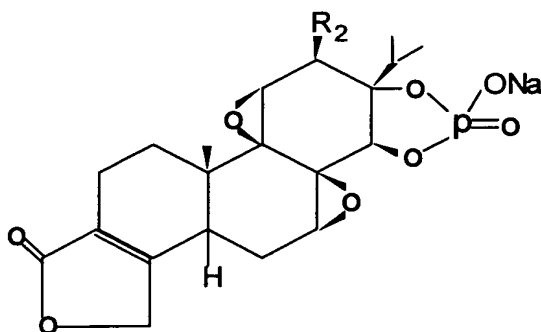
The present invention provides water soluble triptolide derivatives of formula I, II, IIIa, and IIIb, which have high immunosuppressive activity and in which R<sub>1</sub> and R<sub>2</sub> have the same meanings as defined in claims. The present invention also provides chemically synthetic methods of the triptolide derivatives of formula I, II, IIIa, and IIIb, and the use of the triptolide derivatives in the treatment of autoimmune deficiency diseases and inflammatory diseases correlated with immunosuppression.



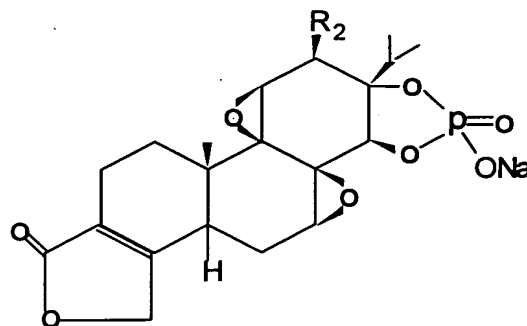
**I**



**II**



**IIIa**



**IIIb**